

Mallebarre.—The name is still preserved in that of Cape Malabar, to the south of Cape Cod ; but the exact locality of the small harbor to which he gives this name is difficult to identify, and the latitude seems incorrect—lat. 40° , decl. $18^{\circ} 40'$.

The only other determinations of declination which I have noticed in Champlain, except the very vague one of from 12° to 15° or 16° for the Great Bank already mentioned, is where he states that the greatest amount he had observed was 21° in 45° lat. in the St. Lawrence. As a trifling difference in the latitude, which is only given in round numbers, would make a considerable difference in the longitude, the locality indicated cannot be satisfactorily ascertained.

The Jesuit Father Bressani, who seems to have paid more attention to scientific matters than most of his confrères, gives the following declinations :—

The Great Bank, rather a vague description, 22° ; Quebec, 16° ; the country of the Hurons, that is, the small peninsula bounded by Lake Huron, Matchedash Bay and Lake Simcoe, 12° .

I know not upon what ground the date, 1649, is given by Hansteen. Bressani first came out to America in 1642 and returned in 1644 ; he came out again in 1645, returning in 1650, and he says that in all his voyages he observed a similar change of declination. As at the period of the three latter voyages he was maimed from the effects of the tortures of the Indians, and oppressed by the recent calamities of his brethren, I should, in the absence of any better information, be inclined to take the date of the earlier observation, 1642.

It will be perceived that the declinations, as observed by Champlain, regularly increased as he proceeded south-west, and, as they thus seem to follow a definite law, we may look upon them as substantially correct. But it is remarkable that the case is now exactly reversed along the same coast, the declination decreasing pretty uniformly from Cape Breton to Cape Cod. It is not very easy at first sight to understand what position of the isogonal lines would have given rise to the variation as he found it. The main